

Cross Reference for 801307 Series					
Boeing P/N	AVOX P/N	Oxygen Cap. (cu. ft.)	DOT Rating	Estimated Max. Charged Wt. (lb.)	6350 Series Equivalent
60B 50087-7	801307-00	115.0	3HT-1850	45.6	-A34-CC-C
60B 50087-8	801307-01	115.0	3HT-1850	45.8	-A34-DD-C
60B 50087-9	801307-02	115.0	3HT-1850	45.6	-A34-SSS-C
60B 50087-10	801307-03	115.0	3HT-1850	45.8	-A34-BB-C
60B 50087-91	801307-04	39.4	3HT-1850	18.3	-A22-CC-C
60B 50087-92	801307-05	76.5	3HT-1850	31.0	-A33-BB-C
60B 50087-93	801307-06	76.5	3HT-1850	30.8	-A33-CC-C
60B 50087-94	801307-07	115.0	3HT-1850	45.6	-A34-UU-C
60B 50087-95	801307-08	76.5	3HT-1850	31.0	-A33-DD-C
60B 50087-11	801307-09	115.0	3HT-1850	45.6	-A34-SSS-C
60B 50087-96	801307-10	76.5	3HT-1850	30.8	-A33-YYY-A
	801307-11	49.8	3HT-1850	21.4	-A25-CC-C
	801307-20	49.8	3HT-1850	21.7	-A25-EE-Z
	801307-21	66.0	3HT-1850	28.5	-A27-EE-Z
	801307-22	76.5	3HT-1850	31.0	-A33-EE-Z
60B 50087-12	801307-23	115.0	3HT-1850	45.6	-A34-YYY-A
	801307-24	115.0	3HT-1850	45.8	-A34-EE-Z
	801307-25	22.0	3AA-1800	14.2	

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL

AVAILABLE FROM AVOX SYSTEMS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR.

THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.



AVOX Systems



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891000/801307 Series
Cylinder and Valve Assemblies



The AVOX Systems 891000/801307 Series Cylinder and Valve Assemblies are metal-seated, slow opening assemblies that were designed especially for 1850 psi aircraft oxygen service. Their hard metal seat and metal poppet reduce over-pressurization hazards. They also feature low operating torque and metering pin with a slow opening design. This pin controls flow vs. turns and opens to a controlled schedule.

The 891000 and 801307 Series all have special features for easy operation, low maintenance, and high performance. They also conform to all DOT regulations.

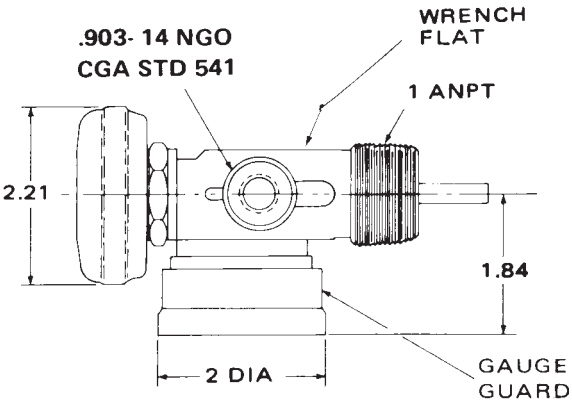
The Basic Valve Assembly

The valve's rising stem has lubricated threads that are not exposed to oxygen. The self-energized, filled Teflon® stem seal is designed for a long life and requires no periodic tightening. Inlet and outlet port filters prevent foreign matter from entering the valve. The pressure gauge incorporates a low profile mount to ensure proper gauge face orientation.

A pressure-sealing outlet cap assembly maintains sealing during charged cylinder storage. The safety outlet is available with optional connections for overboard venting of oxygen from the safety relief valve.

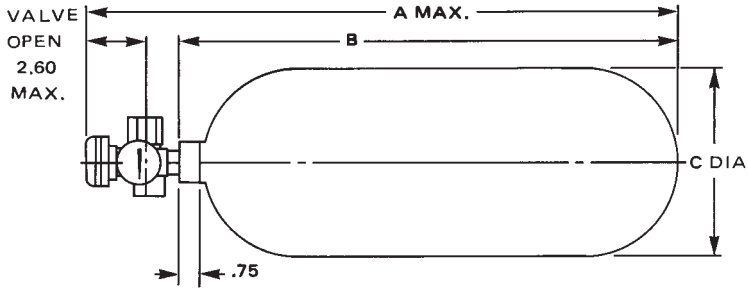
The valve assembly can be ordered separately using the 801308 Series part number. The following building block will provide the valve assembly part number for ordering. The last two digits (-__) determine the body and gauge assembly, and safety outlet assembly, as required.

Teflon® is a registered trademark of DuPont for its brand of fluoropolymer resins.



The Basic Cylinder

The cylinder can also be ordered separately using the part numbers in the chart below. These cylinders are either the super lightweight DOT 3HT-1850 type or the lightweight DOT 3AA-1800 type (refer to cross reference chart on back page). The forged brass valve body has a 1" ANPT male inlet and a .903-14NGO outlet per CGA STD No. 540.



Oxygen Cap. (cu. ft.)	Cylinder Part Number For 891000 Series	Dimensions (in.)			Cylinder Part Number For 801307 Series
		A	B	C	
39.4	6084-26	23.51	19.12	6.75	10003365
49.8	6084-27	27.76	23.37	6.75	10005003
66.0	6084-29	30.82	26.56	7.25	10005002
76.5	6084-33	34.14	29.75	7.25	10003366
115.0	6084-34	33.95	29.56	9.00	10003367

To order the complete 891000 Series Cylinder and Valve Assembly, use the building block below.

Basic Unit Part Number 891

Cylinder Size DOT 3HT 1850				Cylinder Color		Stencil / Lettering		Valve Assembly
Desig.	Cylinder P/N	O ₂ Cap. (cu. ft.)	Chgd. Wt. (lb.) ¹	Desig.	Color	Desig.	Color	
0				0	Primer Only	0	None	Use last two digits from building block for 801308 Series basic valve assembly.
1	6084-26	39.4	16.27	1	Wakefield	1	White	
2	6084-27	49.8	19.39		Green			
3	6084-29	66.0	26.23	2	Green			
4	6084-33	76.5	28.75	3	Green & Yellow			
5	6084-34	115.0	43.55					
1. Total Weight: Add weight of body and gauge assembly, safety outlet assembly, and cylinder charged to 1850 psi @ 70°F (21°C) with oxygen per MIL-PRF-27210, Type 1. A complete 891000 Series part number is dependent on the combination of items described on this chart, as determined by each individual user, to satisfy his requirements.								

To order the complete 801307 Series Cylinder and Valve Assembly, use the building block below.

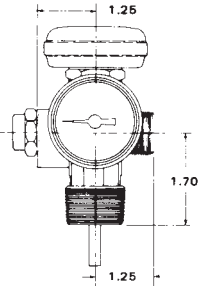
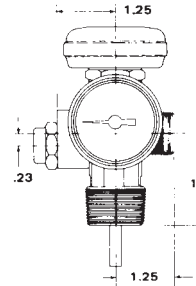
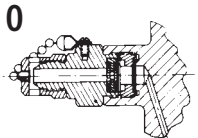
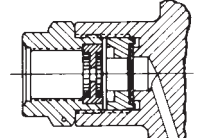
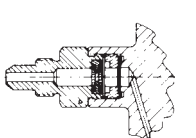
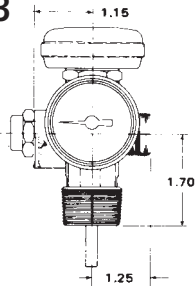
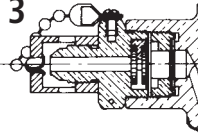
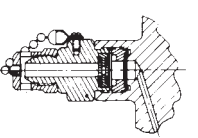
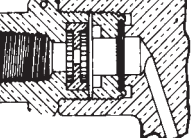
Basic Unit Part Number 801307

Desig.	Cylinder P/N ¹	Oxygen Cap. (ft. ³)	Max. Chgd. Weight (lb.) ²	Oxygen Valve Assembly P/N ³
00	10003367	115.0	45.60	801308-31
01	10003367	115.0	45.84	801308-22
02	10003367	115.0	45.69	801308-13
03	10003367	115.0	45.86	801308-24
04	10003365	39.4	18.32	801308-31
05	10003366	76.5	31.06	801308-24
06	10003366	76.5	30.80	801308-31
07	10003367	115.0	45.68	801308-15
08	10003366	76.5	31.04	801308-22

Desig.	Cylinder P/N ¹	Oxygen Cap. (ft. ³)	Max. Chgd. Weight (lb.) ²	Oxygen Valve Assembly P/N ³
10	10003366	76.5	30.80	801308-19
11	10005003	49.8	21.70	801308-31
20	10005003	49.8	21.70	801308-20
21	10005002	66.0	28.50	801308-20
22	10003366	76.5	31.00	801308-20
23	10003367	115.0	45.60	801308-19
24	10003367	115.0	45.80	801308-20
25	10005671	22.01	14.28	801308-20

1. Includes Wakefield green cylinder paint and yellow lettering. 2. Weights given include cylinder valve assembly and cylinder charged to 1850 psi (1800 psi for designation 25) at 70°F (21 °C) with oxygen per MIL-PRF-27210, Type 1. 3. See Series 801308 chart for valve assembly information.

Basic Unit Part Number 801308

Body and Gauge Assemblies		Safety Outlet Assemblies		
1	2	0	1	2
				
801333-01 (1.91 lb.) NO GAUGE GUARD	801333-02 (2.06 lb.) WITH GAUGE GUARD			
3		3	4	5
				
801333-03 (1.90 lb.)				
		6	7	9
		